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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Handerson et al.	Examiner: To be determined
Application No: 09/877,406	Group Art Unit: 1636
Filed: June 8, 2001	
For: <i>Microorganism Genomics, Compositions and Methods Related Thereeto</i>	Attorney Ref. No: AVI-001.03

CERTIFICATE OF FIRST CLASS MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231, on September 21, 2001.

Michael R. Phelan

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR 1.97 (b)

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

Submitted herewith on Form PTO-1449 is a listing of documents known to Applicants and/or their attorney in compliance with the requirements of 37 CFR § 1.56. Copies of the references which were submitted in, or cited by the Examiner in, parent application USSN 08/969,651, to which this application claims priority, are not being submitted herewith as allowed pursuant to 37 CFR § 1.97(d). Copies of the references which were not previously submitted or cited in the parent application, namely AC and CA-CF, are being submitted herewith.

Applicants respectfully request that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached Form 1449.

This submission does not represent that a search has been made or that no better art exists. Nor does it constitute an admission that the cited documents are material or constitute "prior art." If the Examiner applies the listed documents as prior art against any claim in the application and Applicant determines that the cited documents do not constitute "prior art" under United States law, Applicant reserves the right to present to the Office the relevant facts and law regarding the appropriate status of said document.

Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the referenced documents be applied against the claims of the present application.


No additional costs are believed to be due in connection with the filing of this disclosure. If, however, a First Office Action on the merits issues in this application bearing a mailing date prior to the date of this Information Disclosure Statement, please charge the appropriate fees as required under 37 C.F.R. § 1.17(p) to our **Deposit Account No. 06-1448**.

Should there be any questions after reviewing this paper, the Examiner is invited to contact the undersigned at (617) 832-1000.

Respectfully Submitted,

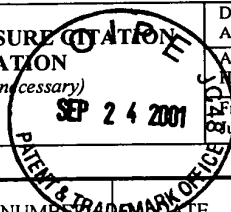
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Form PTO-1449

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**
 (Use several sheets if necessary)
Docket Number (Optional)
AVI-001.03Application Number
09/877,406Applicant
Handelsman et al.Filing Date
June 8, 2001Group Art Unit
1636**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	5,958,672		Short et al.			
AB	5,824,485		Thompson et al.			
AC	5,783,431		Peterson et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
	BA	WO 95/33818	12/14/95	PCT			
	BB	O 468 220 A2	1/29/92	Austria			
	BC	WO 97/12991	9/20/96	PCT			
	BD	WO 97/20952	6/12/97	PCT			
	BE	WO 96/34112	10/31/96	PCT			
	BF	WO 95/08548	3/30/95	PCT			
	BG	WO 97/20918	6/12/97	PCT			
	BH	WO 96/40968	12/19/96	PCT			
	BI	WO 97/03202	1/30/97	PCT			
	BJ	WO 97/04077	2/6/97	PCT			
	BK	WO 95/34646	12/21/95	PCT			

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages Etc.)

✓	CA	Healy et al. (1994), <i>Direct Isolation of Genes from the Microbial Community of a Thermophilic Anaerobic Biomass Digester</i> , ABSTR. GEN. MEET. AM. SOC. MICROBIOL. 94:366.
✓	CB	Schmidt et al. (1991), <i>Analysis of a Marine Picoplankton Community by 16S rRNA Gene Cloning and Sequencing</i> , J. BACTERIOL. 173(14):4371.
✓	CC	Fuhrman et al. (1988), <i>Extraction from Natural Planktonic Microorganisms of DNA Suitable for Molecular Biological Studies</i> , APPL. ENVIRON. MICROBIOL. 54:1426.
✓	CD	Carte (1993), <i>Marine Natural Products as a Source of Novel Pharmacological Agents</i> , CURR. OPIN. BIOTECH. 4:275.

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		Applicant Handelsman et al.	Group Art Unit 1636
		Filing Date June 8, 2001	
✓ CE	Smokvina, T. (1990), <i>Construction of a Series of pSAM2-Based Integrative Vectors for Use in Actinomycetes</i> , GENE 94(1):53.		
✓ CF	Osborne et al. (1993), <i>An Assay for the Detection of Bacterial DNA Gyrase Inhibitors</i> , J. ANTIBIOT. 46(11):1764.		
CG	Brosch, R. et al. (1998), <i>Use of a Mycobacterium Tuberculosis H37Rv Bacterial Artificial Chromosome Library for genome Mapping, Sequencing and Comparative Genomics</i> , INFECTION AND IMMUNITY 66:21.		
CH	Ioannou, P. et al. (1994), <i>A New bacteriophage P1-Derived Vector for the Propagation of Large Human DNA Fragments</i> , NATURE GENETICS, 6:84.		
CI	Kim, U.-J. et al. (1996), <i>Construction and Characterization of a Human Bacterial Artificial Chromosome Library</i> , GENOMICS, 34:213.		
CJ	Liew, C. C. et al. (1994), <i>A618R Homo Sapiens cDNA Clone A618</i> , PROC. NATL. ACAD. SCI. U.S.A., 91:10645.		
CK	Messerle, M. et al. (1997), <i>Cloning and Mutagenesis of a Herpesvirus Genome as an Infectious Bacterial Artificial Chromosome</i> , PROC. NATL. ACAD. SCI. U.S.A., 94:14759.		
CL	Messerle, M. et al. (1996), <i>Reconstitution of a Recombinant Cytomegalovirus from Two Fragments Cloned into Bacterial Artificial Chromosomes</i> , J. MOL. MED., 74:B08.		
CM	Ohmori, H. et al. (1995), <i>dinP, a New Gene in Escherichia Coli, Whose Product Shows Similarities to UmuC and its Homologues</i> , MUTATION RES. LETT., 347:1.		
CN	Primrose (1996), <i>Genomanalyse</i> , SPEKTRUM AKADEMISCHER VERLAG, 76.		
CO	Szebenyi et al., <i>Insulin-Like Growth Factor II/Cation-Independent Mannose-6-Phosphate Receptor Precursor-Mouse</i> , XP-002104663 Abstract.		
CP	Shizuya, H. et al (1992), <i>Cloning and Stable Maintenance of 300-Kilobase-Pair Fragments of Human DNA in Escherichia Coli</i> , PROC. NATL. ACAD. SCI. U.S.A., 89:8794.		
CQ	Woo, S. -S. et al (1994), <i>Construction and Characterization of a Bacterial Artificial Chromosome Library of Sorghum Bicolor</i> , NUCLEIC ACIDS RES., 22:4922.		
CR	Bintrim, S.B. et al. (1997), <i>Molecular Phylogeny of Archea from Soil</i> , PROC. NATL. ACAD. SCI. USA 94:277.		
CS	Stein, J.L. et al. (1996), <i>Archaeal Ubiquity</i> , PROC. NATL. ACAD. SCI. USA 93:6228.		
CT	Woese, C. et al. (1990), <i>Towards a Natural System of Organisms: Proposal for the Domains Archae, Bacteria, and Eucarya</i> , PROC. NATL. ACAD. SCI. USA 87:4576.		
CU	Keeling, P.J. et al. (1994), <i>Archaeobacterial Genomes: Eubacterial Form and Eukaryotic Content</i> , CURR. OPINION IN GENETICS AND DEVEL. 4:816.		

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INFORMATION DISCLOSURE IN AN APPLICATION (Use several sheets if necessary)		Applicant Handelsman et al.			
		Filing Date June 8, 2001		Group Art Unit 1636	
CV	Sheng, Y. et al. (1995), <i>Transformation of Escherichia coli with Large DNA Molecules by Electroporation</i> , NUCLEIC ACIDS RES. 23(11):1990.				
CW	Jones, S. (1995), <i>An Update and Lessons from Whole-Genome Sequencing Projects</i> , CURR. OPIN. IN GEN. & DEVEL. 5:349.				
CX	Koonin, E.V. et al. (1996), <i>Sequencing and Analysis of Bacterial Genomes</i> , CURR. BIO. 6(4):404.				
CY	Fereyra, R.G. et al. (1993), <i>Cloning, Characterization, and Functional Expression in Escherichia Coli of Chaperonin (groESL) Genes From the Phototropic Sulfur Bacterium Chromatium Vinosum</i> , J. of BACT. 175(5):1514.				
CZ	Kawai, S. et al. (1993), <i>A Simple Method of Detecting Amplified DNA With Immobilized Probes on Microtiter Wells</i> , ANALYTIC BIOCHEM. 209:63.				
DA	Hancock, J.M. (1996), <i>Simple Sequences and the Expanding Genome</i> , BIOESSAYS 18(5):421.				
DB	He, H. et al. (1994), <i>Zwittermicin A, an Antifungal and Plant Protection Agent from Bacillus Cereus</i> , TETRAHEDRON LETTERS 35(16):2499.				
DC	Mahfuzur, S.R. et al. (1995), <i>Molecular Cloning of the leuB Gene from Bacteroides Fragilis by Functional Complementation in Escheria Coli</i> , MICROBIOL. IMMUN. 39(1):19.				
DD	Devine, K.M. et al. (1995), <i>Bacterial Genomes: a TIGR in the Tank</i> , TIG 11(11):429.				
DE	Cohen, S. (1993), <i>Bacterial Plasmids: Their Extraordinary Contribution to Molecular Genetics</i> , GENE 135:67.				
DF	Fonstein, M et al. (1995), <i>Physical Mapping of Bacterial Genomes</i> , J. OF BACTERIOLOGY 177:3361.				
DG	Wang, M. et al. (1995), <i>Pulsed Field Separation of Large Supercoiled and Open-Circular DNAs and its Application to Bacteria Artificial Chromosome Cloning</i> , ELECTROPHORESIS 16:1.				
DH	Versalovic, J. et al. (1991), <i>Distribution of Repetitive DNA Sequences in Eubacteria and Application to Fingerprinting of Bacteria Genomes</i> , NUCLEIC ACIDS RESEARCH 19(24):6823.				
DI	Zhou, J. et al. (1996), <i>DNA Recovery from Soils of Diverse Composition</i> , APPLIED AND ENVIRON. MICROBIO. 62(2):316.				
DJ	Matheson et al. (1997), <i>Development of Strain-Specific Probes</i> , APPL. ENVIRON. MICROBIOL. 63:2864.				
DK	Wells, W.A. (1997), <i>Seeking Extremophiles</i> , INNOVATIONS 4(5):401.				
DL	Cole, S.T. et al. (1994), <i>Bacterial Genomics</i> , FEMS MICROBIOL. REV. 14:139.				

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INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicant Handelsman et al.			
		Filing Date June 8, 2001		Group Art Unit 1636	
	DM	Licitra, E. et al (1996), <i>A Three-Hybrid System for Detecting Small Ligand-Protein Receptor Interactions</i> , PROC. NATL. ACAD. SCI. USA 93:12817.			
EXAMINER				DATE CONSIDERED	
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.					

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